

# EXPECTED IMPLEMENTATION JANUARY 2016

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## 440 UNDERDRAINS. (REV 6-24-15) (FA 8-27-15) (1-16)

ARTICLE 440-2 is deleted and the following substituted:

### 440-2 Materials.

Meet the following requirements:

Concrete Pipe .....	Section 449
Filter Aggregate .....	Section 902
Corrugated Steel Pipe .....	Section 943
Corrugated Aluminum Pipe .....	Section 945
Polyvinyl-Chloride Pipe .....	Section 948
Corrugated High Density Polyethylene Pipe .....	Section 948
Corrugated Polypropylene Pipe .....	Section 948
Steel Reinforced Polyethylene Ribbed Pipe .....	Section 948
Filter Fabric Sock.....	Section 948
Geotextile Fabrics .....	Section 985

Use bitumized-fiber pipe only when called for in the Contract Documents.

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ARTICLE 440-4 is deleted and the following substituted:

### 440-4 Laying Pipe.

**440-4.1 General:** Bed the pipe firmly on the bottom of the trench, with the perforations down and joints securely made.

**440-4.2 Corrugated Steel Pipe - Protection of Coating:** Handle corrugated steel pipe in such a way that the zinc or aluminum coating will not be bruised or broken. Do not use pipe showing bruises or breakage of the zinc or aluminum coating.

**440-4.3 Protection of Drain Inlet:** Protect the influent end of the pipe in a manner which will prevent any soil from entering the drain.

**440-4.4 Lateral Connections:** Make lateral connections with prefabricated wyes, tees, elbows, etc., as required.

**440-4.5 Underdrain Inspection Box:** Construct underdrain inspection boxes in accordance with the Design Standards, Index No. 245 and the Plans.

**440-4.6 Underdrain Cleanout Structures:** Construct underdrain cleanout structures of in-line wye fittings and stub for access where called for in the Plans.

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